

CLAIMS

We Claim:

- 5 1. A method for selecting, by a mobile terminal, a roaming service provider in a telecommunications network, when the mobile terminal is roaming, the method comprising the steps of:
- communicating between a mobile terminal and current roaming service providers for a current location of the mobile terminal;
- 10 providing to the mobile terminal, at least upon detecting registration message from the mobile terminal, respective roaming service provider information associated with the current roaming service providers;
- selecting, based on the roaming service provider information, a respective one of the current roaming service providers; and
- 15 connecting subsequent call(s) associated with the mobile terminal using the selected respective roaming service provider.
2. The method of claim 1 wherein the roaming service provider information is at least one of pricing, data rates, push to talk, signal strength.
- 20 3. The method of claim 1 wherein the subsequent call(s) associated with the mobile terminal is one of an incoming call and an outgoing call.

4. The method of claim 1, wherein the selecting, by a mobile terminal, of a roaming service provider in the telecommunications network, when the mobile terminal is roaming, is a feature of the telecommunications network, and wherein the method further comprises, the step of determining, upon detecting the registration message from the mobile terminal, if the mobile terminal has subscribed to the feature, and if the mobile terminal has not subscribed, then one of connecting the subsequent call(s) via a contracted roaming service provider or not connecting the subsequent call(s), and, if the mobile terminal has subscribed, proceeding to the step providing to the mobile terminal respective roaming service provider information.

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5. The method of claim 1 wherein the method further comprises, using the selected respective roaming service provider for subsequent calls associated with the mobile terminal while the mobile terminal is within at least one cell of the selected respective roaming service provider.

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6. The method of claim 1 wherein the method further comprises re-selecting a respective roaming service provider for each subsequent call associated with the mobile terminal.

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7. A method for selecting, by a mobile terminal, a roaming service provider in a telecommunications network, when the mobile terminal is roaming, the method comprising the steps of:

communicating between a mobile terminal and current roaming service providers for a current location of the mobile terminal;

providing to the mobile terminal, at least upon detecting registration message from the mobile terminal, respective roaming service provider information associated with the current roaming service providers;

displaying the roaming service provider information at the mobile terminal;

5 selecting, at the mobile terminal and based on the displayed roaming service provider information, a respective one of the current roaming service providers;

communicating the selection of the respective current roaming service provider to the telecommunication network and tuning the mobile terminal to the selected roaming service provider; and

10 connecting, by the selected respective roaming service provider, subsequent call(s) associated with the mobile terminal.

8. The method of claim 7 wherein the subsequent call(s) associated with the mobile terminal is one of an incoming call and an outgoing call.

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9. The method of claim 7 wherein the method further comprises, using the selected respective roaming service provider for subsequent calls associated with the mobile terminal while the mobile terminal is within at least one cell of the selected respective roaming service provider.

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10. The method of claim 7 wherein the method further comprises re-selecting a respective roaming service provider for each subsequent call associated with the mobile terminal.

11. The method of claim 7, wherein the selecting, by a mobile terminal, of a roaming service provider in the telecommunications network, when the mobile terminal is roaming, is a feature of the telecommunications network, and wherein the method further comprises, the step of determining, upon occurrence of a call
5 associated with the mobile terminal, if the mobile terminal has subscribed to the feature, and if the mobile terminal has not subscribed, then one of connecting the subsequent call(s) via a contracted roaming service provider or not connecting the call(s), and, if the mobile terminal has subscribed, proceeding to the step providing to the mobile terminal respective roaming service provider information.

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12. A system for allowing a mobile terminal to select a roaming service provider in a telecommunications network, when the mobile terminal is roaming, the system comprising:

a mobile terminal that is operatively connected to a telecommunication
15 network, the mobile terminal having a display;

a call controller in the telecommunication network for controlling a call for the mobile terminal;

a plurality of service providers in the telecommunication network, each of the service providers having respectively at least one cell in which the service provider is
20 operational;

each of the roaming service providers having respective roaming service provider information; and

respective roaming service module in a respective system of each of the service providers , the roaming service module operatively connected to at least the

call controller;

wherein, upon detecting the registration message from the mobile terminal, respective roaming service provider information associated with the current roaming service providers is provided to the mobile terminal and displayed, wherein a
5 respective one of the current roaming service providers is selected based on the displayed roaming service provider information, wherein the selection of the respective current roaming service provider is communicated to the telecommunication network and the mobile terminal is tuned to the selected roaming service provider; and wherein subsequent call(s) is connected to the selected
10 respective roaming service provider.

13. The system of claim 12 wherein the subsequent call(s) associated with the mobile terminal is one of an incoming call and an outgoing call.

15 14. The system of claim 12 wherein the selected respective roaming service provider is used for subsequent calls associated with the mobile terminal while the mobile terminal is within at least one cell of the selected respective roaming service provider.

20 15. The system of claim 12 wherein a respective roaming service provider is re-selected for each subsequent call associated with the mobile terminal.